

8. A component in a nuclear energy plant, characterised in that it comprises an alloy according to claim 1.

10. A component according to claim 8, characterised in that it defines a cladding tube for nuclear fuel.

Amended claims

3. (Amended) A zirconium-based alloy according to claim 1 [or 2], characterised in that it comprises up to 0.2 percentage by weight Ni.

4. (Amended) A zirconium-based alloy according to [any one of the claims 1-3] claim 1, characterised in that it comprises up to 0.6 percentage by weight Cr.

5. (Amended) A zirconium-based alloy according to [any one of the claims 1-4] claim 1, characterised in that the total content of Nb and Sn is larger than or equal to 1.15 percentage by weight.

6. (Amended) A zirconium-based alloy according to [any one of the claims 1-5] claim 1, characterised in that the alloy constitutes at least a part of a component in a nuclear energy plant.

8. (Amended) A component in a nuclear energy plant, characterised in that it comprises an alloy according to [any one of the claims 1-5] claim 1.

10. (Amended) A component according to claim 8 [or 9], characterised in that it defines a cladding tube for nuclear fuel.